

The defined state and federal SIP measures are summarized in Table I-9 below.

TABLE I-9
Defined State and Federal SIP Measures

Strategy (Agency)	Name	Expected Reductions, tpd (South Coast 2010)		Action Dates	Implementation Dates
		ROG	NOx		
LT/MED-DUTY-1 (ARB)	Replace or Upgrade Emission Control Systems on Existing Passenger Vehicles – Pilot Program.	0-21	0-14	2005	2007-2008
LT/MED-DUTY-2 (BAR)	Smog Check Improvements	5.6-5.8	8.0-8.4	2003-2009	2003-2010
ON-RD HVY-DUTY-1 (ARB)	Augment Truck and Bus Highway Inspections with Community-Based Inspections	0-0.1	0	2003	2005
ON-RD HVY-DUTY-2 (ARB)	Capture and Control Vapors from Gasoline Cargo Tankers	4-5	0	2003	2004-2005
ON-RD HVY-DUTY-3 (ARB/ U.S. EPA)	Pursue Approaches to Clean Up the Existing and New Truck/Bus Fleet – PM In-Use Emission Control, Engine Software Upgrade, On-Board Diagnostics, Manufacturers' In-Use Compliance, Reduced Idling	1.3-4.3	8-11	2003-2005	2004-2010
OFF-RD CI-1 (ARB)	Set Lower Emission Standards for New Off-Road Compression Ignition Engines	0-0.1	0	2004	2007-2015
OFF-RD CI-1 (U.S. EPA)	Set Lower Emission Standards for New Off-Road Compression Ignition Engines	0-0.1	0	2004	2007-2015
OFF-RD CI-2 (ARB)	Pursue Approaches to Clean Up the Existing Heavy-Duty Off-Road Equipment Fleet (Compression Ignition Engines) – Retrofit Controls	2.3-7.8	Not Quantified	2004-2008	2006-2010
OFF-RD CI-3 (ARB)	Implement Registration and Inspection Program for Existing Off-Road Equipment to Detect Excess Emissions (Compression Ignition Engines)	Not Quantified	Not Quantified	2006-2009	2010
OFF-RD LSI-1 (ARB)	Set Lower Emission Standards for New Off-Road Gas Engines (Spark Ignited Engines 25 hp and Greater)	0	0.8	2004-2005	2007

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Strategy (Agency)	Name	Expected Reductions, tpd (South Coast 2010)		Action Dates	Implementation Dates
		ROG	NOx		
OFF-RD LSI-2 (ARB)	Clean Up Existing Off-Road Gas Equipment Through Retrofit Controls (Spark-Ignition Engines 25 hp and Greater)	0.5-1.4	1.5-3.5	2004	2006-2012
OFF-RD LSI-3 (ARB)	Require new Forklift Purchases and Forklift Rentals to be Electric – Lift Capacity <8,000 pounds	0.7-1.4	2.3-4.7	2003	2005-2010
SMALL OFF-RD-1 (ARB)	Set Lower Emission Standards for New Handheld Lawn and Garden Equipment (Spark Ignited Engines Under 25 hp such as Weed Trimmers, Leaf Blowers, and Chainsaws)	0.6	0.1	2003	2005
SMALL OFF-RD-2 (ARB)	Set Lower Emission Standards for New Non-Handheld Lawn and Garden Equipment (Spark Ignited Engines Under 25 hp such as Lawnmowers)	5	0.8	2003	2006
MARINE-1 (U.S. EPA)	Set More Stringent Emission Standards for New Harbor Craft and Ocean-Going Ships	0.4	3.1	2003-2004	2008-2010
MARINE-2 (ARB)	Pursue Approaches to Clean Up the Existing Harbor Craft Fleet – Retrofit Controls, Cleaner Fuels	0.1	2.7	2003-2005	2005
MARINE-3 (U.S. EPA)	Pursue Approaches to Clean Up the Existing Ocean-Going Ship Fleet – Cleaner Fuels, Incentives for Cleaner Ships, Smoke (Opacity) Limits	1.0-1.6	11-17.6	2003-2005	2005-2010
MARINE-4 (ARB)	Pursue Approaches to Reduce Land-Based Emissions at Ports – Alternative Fuels, Cleaner Engines, Retrofit Controls, Electrification, Education Programs, Operational Controls	0.1	0.1	2003-2005	2003-2010
AIRPORT-1 (U.S. EPA)	Pursue Approaches to Reduce Emissions from Jet Aircraft – Cleaner Engines/Retrofit Controls, Aerodynamic Design, Fleet Purchase Strategy, Emission-Based Landing Fees, Cleaner Fuel, Operational Measures	0-0.5	0-1.8	2004-2009	2008-2015
FUEL-1 (ARB)	Set Additives Standards for Diesel Fuel to Control Engine Deposits	Not Quantified	Not Quantified	2006-2009	2006-2010

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Strategy (Agency)	Name	Expected Reductions, tpd (South Coast 2010)		Action Dates	Implementation Dates
		ROG	NOx		
FUEL-2 (ARB/ U.S. EPA)	Set Low-Sulfur Standards for Diesel Fuel for Trucks/Buses, Off-Road Equipment, and Stationary Engines	Enabling	Enabling	2003-2005	2006 (ARB) 2010 (U.S. EPA)
CONS-1 (ARB)	Set New Consumer Products Limits for 2006	2.3	0	2004	2006
CONS-2 (ARB)	Set New Consumer Products Limits for 2006-2010	8.5-15	0	2006-2008	2008-2010
FVR-1 (ARB)	Increase Recovery of Fuel Vapors from Aboveground Storage Tanks	0-0.1	0	2003	2007
FVR-2 (ARB)	Recover Fuel Vapors from Gasoline Dispensing at Marinas	0-0.1	0	2006-2009	2006-2010
FVR-3 (ARB)	Reduce Fuel Permeation Through Gasoline Dispenser Hoses	0-0.7	0	2004	2007
PEST-1 (DPR)	Implement Existing Pesticide Measure	Baseline	Baseline	---	1996-2010
Subtotal		32.4-73.5	38.4-68.6		